

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant(s): BOUET et al.

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ART UNIT:

TITLE: A METHOD IN SHORT RANGE RF COMMUNICATION

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Commissioner of Patents

Washington, D.C. 20231

PRELIMINARY AMENDMENT

Dear Sir:

Please amend the above-identified, enclosed patent application as follows:

IN THE SPECIFICATION

After the heading CLAIMS, please insert the following:

What is claimed is:

IN THE CLAIMS

Please amend Claims 4, 11, 16, 18, 19, 22, 25, 39, 41 and 42 as rewritten below:

4. (Amended) A method according to claim 2, wherein the information relating to the establishment of a connection comprises identification information of the user terminal.

11. (Amended) A method according to claim 2, wherein the information relating to the establishment of a connection comprises the baseband address of the user terminal, clock

offset information informing the offset in the clock between the access point and the user terminal, and information on which services are supported by the user terminal.

16. (Amended) A method according to claim 14, wherein the method comprises

each of the transceivers communicating over a plurality of channels, and

dynamically controlling the number of channels that each of the first and the second transceivers use to perform one of access communication and user data communication depending on the detected load of the access point.

18. (Amended) A method according to claims 14, wherein the method comprises

detecting an increase in the number of user terminals being in communication with the access point, and

in response thereto increasing the number of transceivers used for user data communication and decreasing the number of transceivers used for access communication.

19. (Amended) A method according to claim 14, wherein the method comprises the total number of short range rf transceivers in use being the total number of short range rf transceivers in the access point.

22. (Amended) A method according to claim 14, wherein the dynamic control is based on fuzzy logic control.

25. (Amended) A method according to claim 1, wherein the method comprises

detecting the rate of user data communicated within the access point within a certain period, and

using the rate for creation of statistical data.

39. (Amended) A communication system according to claim 37, wherein each of the transceivers is adapted to communicate

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over a plurality of channels, and the access point comprises means (CAL, RC) for dynamically controlling the number of channels that each of the first and the second transceivers use to perform one of access communication and user data communication depending on the detected load of the access point.

41. (Amended) A communication system according to claim 37, wherein the access point comprises

means (IE, SE, FC) for detecting an increase in the number of user terminals being in communication with the access point, and

means (CAL, RC) for in response to the detection of increase increasing the number of transceivers used for user data communication and decreasing the number of transceivers used for access communication.

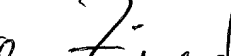
42. (Amended) A communication system according to claim 26, wherein each transceiver comprises at least one Bluetooth chip for Bluetooth communication with other Bluetooth enabled devices.

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## REMARKS

In accordance with 37 C.F.R. §1.121 (as amended on 11/7/2000) the rewritten claim(s) above are shown on separate page(s) marked up to show all the changes relative to the previous version of that section.

Respectfully submitted,

  
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11/28/01  
Date

MARKED UP CLAIM(S)

11. (Amended) A method according to claim 2~~or 3~~, wherein the information relating to the establishment of a connection comprises the baseband address of the user terminal, clock offset information informing the offset in the clock between the access point and the user terminal, and information on which services are supported by the user terminal.

each of the transceivers communicating over a plurality of channels, and

18. (Amended) A method according to claims 14 ~~or 15~~, wherein the method comprises

in response thereto increasing the number of transceivers used for user data communication and decreasing the number of transceivers used for access communication.

19. (Amended) A method according to ~~any of claims 14-18,~~  
wherein the method comprises the total number of short range  
rf transceivers in use being the total number of short range  
rf transceivers in the access point.

22. (Amended) A method according to ~~any of claims 14-18~~, wherein the dynamic control is based on fuzzy logic control.

25. (Amended) A method according to claim ~~1-er-23~~, wherein the method comprises  
 detecting the rate of user data communicated within the access point within a certain period, and  
 using the rate for creation of statistical data.

39. (Amended) A communication system according to claim ~~37 er-38~~, wherein each of the transceivers is adapted to communicate over a plurality of channels, and the access point comprises  
 means (CAL, RC) for dynamically controlling the number of channels that each of the first and the second transceivers use to perform one of access communication and user data communication depending on the detected load of the access point.

41. (Amended) A communication system according to claim ~~37 er-38~~, wherein the access point comprises  
 means (IE, SE, FC) for detecting an increase in the number of user terminals being in communication with the access point, and  
 means (CAL, RC) for in response to the detection of increase increasing the number of transceivers used for user data communication and decreasing the number of transceivers used for access communication.

42. (Amended) A communication system according to claim ~~26 er-38~~, wherein each transceiver comprises at least one Bluetooth chip for Bluetooth communication with other Bluetooth enabled devices.

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